

CURRENT LISTING OF CLAIMS

Please cancel claims 51-57 and 74-102.

Claims 1-57 (Canceled).

58. (Previously presented) A composition comprising a Taq DNA polymerase mutant, wherein said polymerase mutant comprises one or more amino acid substitutions selected from the group consisting of Phe667Leu; Asn666Asp; Asn666Ile; Ile665Leu; Leu670Val; Arg660Tyr; Arg660Ser; Gly668Arg; Arg660Lys; Gly668Ser; Gly668Gln; Thr664Ile and Asn666Asp; Ala661Ser and Val669Leu; Ala661Glu, Ile665Thr, and Phe667Leu; and Thr664Pro, Ile665Val and Asn666Tyr, and a template nucleic acid molecule.

59. (Withdrawn) The composition of claim 58, wherein said polymerase mutant comprises the amino acid substitution Phe667Leu.

60. (Withdrawn) The composition of claim 58, wherein said polymerase mutant comprises the amino acid substitution Asn666Asp.

61. (Withdrawn) The composition of claim 58, wherein said polymerase mutant comprises the amino acid substitution Asn666Ile.

62. (Withdrawn) The composition of claim 58, wherein said polymerase mutant comprises the amino acid substitution Ile665Leu.

63. (Withdrawn) The composition of claim 58, wherein said polymerase mutant comprises the amino acid substitution Leu670Val.

64. (Withdrawn) The composition of claim 58, wherein said polymerase mutant comprises the amino acid substitution Arg660Tyr.

65. (Withdrawn) The composition of claim 58, wherein said polymerase mutant comprises the amino acid substitution Arg660Ser.

66. (Withdrawn) The composition of claim 58, wherein said polymerase mutant comprises the amino acid substitution Gly668Arg.

67. (Previously presented) The composition of claim 58, wherein said polymerase mutant comprises the amino acid substitution Arg660Lys.

68. (Withdrawn) The composition of claim 58, wherein said polymerase mutant comprises the amino acid substitution Gly668Ser.

69. (Withdrawn) The composition of claim 58, wherein said polymerase mutant comprises the amino acid substitution Gly668Gln.

70. (Withdrawn) The polymerase mutant of claim 58, wherein said polymerase mutant comprises the amino acid substitutions Thr664Ile and Asn666Asp.

71. (Withdrawn) The polymerase mutant of claim 58, wherein said polymerase mutant comprises the amino acid substitutions Ala661Ser and Val669Leu.

72. (Withdrawn) The polymerase mutant of claim 58, wherein said polymerase mutant comprises the amino acid substitutions Ala661Glu, Ile665Thr, and Phe667Leu.

73. (Withdrawn) The polymerase mutant of claim 58, wherein said polymerase mutant comprises the amino acid substitutions Thr664Pro, Ile665Val and Asn666Tyr.

Claims 74-102 (Canceled).